

# Chamika Thennakoon

**Phone Number** - +94 771537337

**Email** - [thennakoonchamika11@gmail.com](mailto:thennakoonchamika11@gmail.com)

**Linkedin** - [linkedin.com/in/chamika-thennakoon](https://www.linkedin.com/in/chamika-thennakoon)

**GitHub** - <https://github.com/chamika-11?tab=repositories>

**Portfolio** - <https://chamika-11.github.io/Portfolio/>

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## ABOUT

I am an undergraduate in software engineering with firsthand experience in AI, computer vision, and scalable software development. Expertise in the modeling and development of reliable, scalable software using modern frameworks and tools. Adaptable to dynamic situations, I am committed to continuous learning and innovation. With problem-solving skills, I strive to deliver tailor-made solutions for real-world problems within limited timeframes.

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## SKILL SUMMARY

- **Languages:** Java, Python, C#, JavaScript, C, C++, HTML, CSS
  - **Frameworks:** React, .NET, Node, Express, Streamlit
  - **Databases:** MySQL, MongoDB, SQL Server
  - **Libraries/Tools:** Langchain, Pytorch, ONNX, OpenCV, Tesseract
  - **Architectures & Infrastructure:** MCP Servers, OOP, CNN, RAG
  - **Tools:** VS Code, MS Copilot Studio, Azure Services
  - **Soft Skills:** Problem Solving, Team Collaboration, Time Management, Creative Approach
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## PROFESSIONAL EXPERIENCE

### ENADOC

MAR 2025 - PRESENT

#### AI Engineering Intern

Gaining hands-on experience in AI development, computer vision, and real-world software engineering within a professional environment.

- Co-developed a YOLOv8-based real-time face verification module with webcam auto-capture of identity card and face detection. Integrated it into a face verification system using Azure Face API.
- Contributed to a CNN-OCR system for scanned form field detection, enabling auto-fill of missing entries using LLM-generated content. Reduced human intervention and improved document completeness.

### PEOPLE'S BANK

SEP 2022 - SEP 2023

#### Banking Trainee

- Gained experience in organizational operations and financial analysis.
- Developed strong customer-facing and time management skills.
- Supported internal system audits and contributed to a team digitization initiative to improve reporting efficiency.

## EDUCATION

**Sri Lanka Institute of Information Technology (SLIIT)**

MAY 2023–Present

BSc (Hons) in Information Technology  
Specialising in Software Engineering

## CERTIFICATIONS

**Azure Services - AZ-900**

In Progress

**British Way English Academy**

Diploma In Spoken English

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## PROJECTS

### Medical Health Flow Management System

- Collaborated in designing and developing an AI-powered clinical workflow platform that improves treatment accuracy and streamlines healthcare processes.
- Focused on integrating AI for patient data analysis and clinical decision support.
- **Technologies Used:** React, Node, Express, MongoDB, Gemini 2.5 flash

### Employee Management System

- Participate in a team to design and implement a comprehensive employee management web application using OOP and MVC architecture.
- Developed features for employee data handling, leave management, and role-based access control.
- **Technologies Used:** Java, MySQL, HTML, CSS, JavaScript

### Document Analyzing System

- Engineered a document analysis workflow system for bank and financial departments. This system helps to get specific information from uploaded files and stores the raw file in a database that can be accessed at any time.
- The main focus is to identify the document type and extract specific locations, names, phone numbers, and the content of the uploaded files. I also implemented a CNN model to recognize the file type that is uploaded in real time. Therefore, the CNN model is built within the application. This system includes an OCR engine, a vector database, and RAG based chat functionality.
- **Technologies Used:** Python, React, FastAPI, OpenCV, Tesseract OCR, PyTorch, LangChain

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## REFERENCE

### Madhura Sampath

Senior Software Engineer,  
Enadoc  
Email: [agmdsampath@gmail.com](mailto:agmdsampath@gmail.com)  
Phone: +94 712783163

### Dhananjana Rathnayaka

AI Engineer (Supervisor),  
Enadoc  
Email: [ghananjanarathnayake123@gmail.com](mailto:ghananjanarathnayake123@gmail.com)  
Phone: +94 760234427